



## Alabama Community College System Application for a New Instructional Program

**A. General Information:**

1. Name of Institution: **Calhoun Community College**
2. Program Title: **Dental Hygiene** Prefix: **DHY**
3. Date of Application Submission: **August 15, 2017**
4. Proposed Program Implementation Date: **August 2020**
5. AAS:   X   CER:        STC:        CIP Code: **51.0602**
6. Marketing Name: **Dental Hygiene**
7. Options (List proposed options under appropriate award):

Short-Term Certificate		Certificate		Associate in Science/Technology
CIP Code	Option	CIP Code	Option	CIP Code 51.0602
				Associate in Applied Science

8. Location: Campus **X (Decatur)** Instructional Site **CCC**  
Off-Campus Site **N/A** Clinical/Industrial Site **On-campus clinic**  
Agencies **N/A**

**B. Institutional Contacts:**

\_\_\_\_\_  
Program Director or Department Head Telephone \_\_\_\_\_ E-mail \_\_\_\_\_

**Bret McGill** Telephone **256-306-2861** E-mail **bret.mcgill@calhoun.edu**  
Instructional Dean

**Jannett Spencer** Telephone **256-306-2622** E-mail **janet.spencer@calhoun.edu**  
Financial Aid Director

**James Klauber** Telephone **256-306-2555** E-mail **jim.klauber@calhoun.edu**  
President

C. Program Objectives and Content

1. Program Description.

Dental Hygiene/Hygienist - A program that prepares individuals to clean teeth and apply preventive materials, provide oral health education and treatment counseling to patients, identify oral pathologies and injuries, and manage dental hygiene practices. Includes instruction in dental anatomy, microbiology, and pathology; dental hygiene theory and techniques; cleaning equipment operation and maintenance; dental materials; radiology; patient education and counseling; office management; supervised clinical training; and professional standards.

2. List objectives of the program as precisely as possible. The objectives should address specific needs the program will meet (institutional, societal, and employability) contiguous with expected learning outcomes and achievements. **Objectives must lend themselves to subsequent review and assessment of program accomplishments.**

1. To expand the limited opportunity for Alabama residents to graduate with an associate of applied science degree in dental hygiene from an accredited, non-profit institution.

2. To increase healthcare program offerings to students in north Alabama in a field of growing employment.

3. Dental Hygiene Program Mission - To graduate knowledgeable, skilled, competent, professional, and service-oriented entry-level Dental Hygienists to provide quality care that meets the needs of employers and the public.

Measurable program objectives:

- At least 90% of program graduates will report satisfaction with the overall adequacy of preparation for entry-level dental hygiene practice.
- At least 80% of program graduates will pass the Dental Hygiene National Board and Regional Board exams on the first attempt.
- At least 80% of graduates seeking employment will be employed as a dental hygienist within 6 months of licensure.
- At least 90% of employers will rate the CCC dental hygiene graduate as effectively prepared for entry into practice.
- The attrition rate of enrolled students in the dental hygiene program will be 30% or less per cohort.
- The program attains and maintains American Dental Association Commission on Dental Accreditation (CODA) status at all times.

3. How will this program be related to other programs at your institution?

The Health Division of Calhoun Community College currently offers six programs of study: Practical and registered nursing, medical laboratory technology, emergency medical services, physical therapist assistant, surgical technology and dental assisting. All programs are based in the Health Sciences Building on the Decatur campus. There is a collegial approach between faculty that facilitates continuous dialogue and provides support. Similarities in principles for the preparation of health professionals including ethics, confidentiality, and professionalism as

well as skills validation and interdisciplinary education are shared and aid in on-going development of faculty and programs.

The dental hygiene program will not replace the existing dental assisting program. Dental assistants and dental hygienists both work under the supervision of the dentist but their roles vary significantly. Many colleges offer both programs as faculty and laboratory facilities may be used for both. North Alabama dentists who are members of the advisory board for dental assisting are willing to serve both programs.

General education course requirements for dental hygiene are much the same as other health programs. CCC health sciences programs are generally filled and qualified applicants to the nursing and PTA programs are denied seats due to limitations on enrollment. The addition of a dental hygiene program will provide students interested in health careers another option to meet Alabama workforce needs. A reduction in enrollment in other health programs at CCC is not anticipated.

4. Identify any existing program, option, concentration, or track that this program will replace.

None

5. Program Completion Requirements:

- Total credit hours required in major (Area V); **41**
- Total credit hours in institutional general education (Area I-IV); **35**
- Total credit hours for each option (AAS/CER/STC), and;
- Total credit hours required for completion. **AAS = 76**

*NOTE: Work base learning will be a required function in a program to receive funding from different sources in the future.*

D. Program Accreditation/Certification and Nationally Recognized Business and Industry Credentials:

1. Identify any programmatic conditions.

- a. Pre-accreditation

The Commission on Dental Accreditation (CODA), nationally recognized by the United States Department of Education, is the sole agency to accredit dental and dental-related education programs conducted at the post-secondary level.

Initially, an application for accreditation with a fee of \$16,850 is required. CODA policy states, "The first opportunity for the Commission to consider the program, provided that the application is in order, could be 12 to 18 months following the application submission date."

The application must demonstrate the following criteria for granting accreditation have been met:

- A program administrator is in place

- The long- and short-term financial commitment of the institution to the program is documented
- Admissions and program assessment plans are in place
- A plan for the number, qualifications, assignments and appointment dates for all faculty is in place
- The first year curriculum is developed including general course and specific instructional objectives, learning activities and evaluation instruments
- Policies and procedures for patient recruitment, the patient classification system, an ionizing radiation policy, infection control policy, and a student tracking system are developed
- Documentation of the adequacy of the patient caseload in terms of size, variety, and scope to support the required clinical experiences is available
- Class schedules are in place demonstrating how the faculty and facility will be utilized
- Designs / blueprints of the didactic, laboratory, pre-clinical laboratory, and clinical facilities and equipment needs are developed to support the anticipated enrollment date

b.      Accreditation/Certification

Once CODA has approved the application, a site visit is scheduled in 4-7 months. If the visit verifies that all criteria are met, the developing program is granted the status of “Initial Accreditation” and may enroll students.

Thereafter, the CODA annual accreditation fee for dental hygiene programs is \$1890.

c.      Business and Industry Credentials

The majority of dental hygienists work in dental offices. The tasks hygienists may perform, and the extent that they must be supervised by a dentist, varies by state and by the setting in which the dental hygienist works. Some states allow hygienists to independently diagnosis health problems and provide treatments such as application of fluorides and sealants. A small number of hygienists are employed in settings other than a dental practice including the offices of physicians, outpatient clinics, and schools.

After completion of an entry-level dental hygiene program, hygienists can choose to pursue additional training in areas such as education, business administration, marketing, and public health. There are U.S. programs to train hygienists in expanded functions to increase opportunities for dental care in under-served communities.

d.      Licensing

Every state requires dental hygienists to be licensed; requirements vary by state. There is no universal licensure exam.

In Alabama, dental hygienists must submit a Licensure Application and satisfactorily complete the Alabama Dental Hygiene Board Exam administered by the Council of Interstate Testing Agencies (CITA). This practical exam consists of two components - the Patient Treatment Clinical Exam and the Computer Simulated Clinical Examination.

Graduates of CODA accredited dental hygiene programs are additionally eligible to sit for the written National Board of Dental Hygiene Examination, a requirement for licensure in most

states. Success on both a practical and written dental hygiene exam affords graduates of AAS degree programs greater professional opportunities.

2. Identify specific articulation agreements with four-year universities which will accept the transfer of skills-emphasis credits for this program.

General education courses completed for the AAS degree in dental hygiene will transfer to public four-year colleges and universities within Alabama via the Statewide Transfer Articulation and Reporting Systems (STARS) network.

There are more than 50 degree-completion programs in the U.S. that offer a Bachelor of Science degree in dental hygiene to graduates of accredited dental hygiene programs. Many include on-line study options.

Hygienists wanting to assume roles in education, research, or other leadership positions may obtain a Master of Science in Dental Hygiene degree. There are approximately 20 U.S. colleges offering a MSDH.

E. **APPENDIX A** - Associate Degree Curriculum Plan - Page 12

**Reminder:**

- Work with your financial aid director regarding program and student financial aid eligibility.
- Program eligibility information may be found at [www.ifap.com](http://www.ifap.com).
  - Federal Student Aid Handbook, Chapter 2.

The CCC Director of Financial Services, Jannett Spencer, is aware of development plans for a dental hygiene program and will be working with the health sciences administration once approval is received from ACHE.

F. **Program Admissions Requirements, Enrollment Projections and Completion Projections**

1. Describe the criteria and screening process that will be used to select students for the program.

Minimal application requirements for the Dental Hygiene program will include:

- Unconditional admission to the college
- A minimum 2.5 cumulative GPA on previous college work, or
- A minimum 2.5 cumulative high school GPA for students without prior college work; GED acceptable in lieu of a high school transcript.
- A minimum ACT composite score of 18
- Eligibility for English 101 (ENG 101), Intermediate College Algebra (MTH 100), and Human Anatomy and Physiology I (BIO 201) as determined by college policy
- Receipt of a completed application for the Dental Hygiene program by the specified deadline
- Meeting the technical standards required for Dental Hygiene

2. **APPENDIX B** - Survey instrument with a summary of results. Pages 13-15

A survey instrument was developed to question potential health care students on fields of interest. Health science teachers and HOSA club advisors from eight service area high schools

were contacted by email requesting assistance in distribution. Four schools agreed to participate and 266 paper surveys were returned.

Using Survey Monkey®, the same instrument was posted on-line fall semester 2016 and spring semester 2017. CCC students enrolled in biology and chemistry courses were asked to participate and 291 responded.

Information Source	Findings
A paper survey requesting interest in a variety of health programs was distributed to HOSA students at 4 area high schools	Of 266 responding high school students, <b>28</b> indicated interest in dental hygiene.
The same survey instrument was made available on-line survey to CCC students enrolled in biology and chemistry courses FA16 and SP17 semesters.	Of 291 responding college students, <b>86</b> indicated interest in dental hygiene
<b>Total =</b>	<b>114 potential students</b>

G. Provide an estimate of the costs of the program. Provide enrollment and degree completions projections.

ESTIMATED NEW FUNDS REQUIRED TO SUPPORT PROPOSED PROGRAM						
	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
FACULTY	<u>\$180,000</u>	<u>257,000</u>	<u>257,000</u>	<u>268,000</u>	<u>268,000</u>	<u>\$1,230,000</u>
LIBRARY	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
FACILITIES	<u>\$800,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$800,000</u>
EQUIPMENT	<u>\$250,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$250,000</u>
STAFF	<u>\$0</u>	<u>\$20,000</u>	<u>\$20,000</u>	<u>\$20,000</u>	<u>\$20,000</u>	<u>\$80,000</u>
OTHER (Accreditation/Biomed ✓)	<u>\$16,850</u>	<u>\$2500</u>	<u>\$2500</u>	<u>\$2500</u>	<u>\$2500</u>	<u>\$26,850</u>
TOTAL	<u>\$1,246,850</u>	<u>\$279,500</u>	<u>\$279,500</u>	<u>\$290,500</u>	<u>\$290,500</u>	<u>\$2,386,850</u>
SOURCES OF FUNDS AVAILABLE FOR PROGRAM SUPPORT						
	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL
INTERNAL REALLOCATIONS	<u>\$1,170,350</u>	<u>\$125,220</u>	<u>\$103,940</u>	<u>\$112,660</u>	<u>\$110,380</u>	<u>\$1,622,550</u>
EXTRAMURAL*	<u>\$100,000</u>	<u>\$75,000</u>	<u>\$50,000</u>	<u>\$50,000</u>	<u>\$50,000</u>	<u>\$325,000</u>
TUITION	<u>\$76,500</u>	<u>\$154,280</u>	<u>\$175,560</u>	<u>\$177,840</u>	<u>\$180,120</u>	<u>\$764,300</u>
TOTAL	<u>\$1,346,850</u>	<u>\$354,500</u>	<u>\$329,500</u>	<u>\$340,500</u>	<u>\$340,500</u>	<u>\$2,711,850</u>
*Extramural funds from Carl D. Perkins Career and Technical Education grants						

# ENROLLMENT AND DEGREE COMPLETION PROJECTIONS

	Year 1	Year 2	Year 3	Year 4	Year 5	5-YEAR AVERAGE
TOTAL HEADCOUNT ENROLLMENT	<u>10</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>30</u>	<u>23</u>
NEW ENROLLMENT HEADCOUNT	<u>10</u>	<u>10</u>	<u>15</u>	<u>15</u>	<u>15</u>	<u>13</u>
DEGREE COMPLETION PROJECTIONS	<u>0</u>	<u>5</u>	<u>10</u>	<u>10</u>	<u>10</u>	4-YEAR AVERAGE <u>8</u>

## H. Program Need Justification

### 1. Will the program satisfy a clearly documented workforce need?

Yes. The U.S. DOL Bureau of Labor and Statistics notes: *“Employment of dental hygienists is projected to grow 19 percent from 2014 to 2024, much faster than the average for all occupations. Ongoing research linking oral health and general health will continue to spur the demand for preventative health service, which are provided by dental hygienists. The demand for dental services will increase as the population ages, cosmetic dental services become increasingly popular, and access to healthcare insurance continues to grow.”*

Dental Hygienists	SOC Code: 29-2021	Employment 2014 200,500	National Projected Employment 2024 237,900	Annual Growth 19%	Annual Openings 37,400
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The Alabama Department of Labor identified Dental Hygienists in Alabama’s Hot 40 Demand Occupations for 2012-2022 requiring an Associate Degree

Dental Hygienists	SOC Code: 29-2021	Alabama Projected Employment 2022 3970	Annual Growth 2.67%	Annual Openings 150
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The Alabama Department of Labor Region 1 and Region 2 Reports place Dental Hygienists as a High Demand Occupation for 2012-2022

Dental Hygienists	SOC Code: 29-2021	Alabama Projected Employment 2022	Annual Growth	Annual Openings
Region 1		210	2.76%	10
Region 2		920	3.07%	40

Local dentists have confirmed need for program. See **Employment Verification Form** - pp. 22-25

2. What characteristics of the identified need require it to be met by a new program rather than an existing program?

An existing program will not meet the need.

3. Based on research on the employment market for graduates of this program, indicate the total projected job openings (including both growth and replacement demands). These job openings should represent positions that require graduates from a program such as the one proposed.

#### Projected Job Openings

	Year 1 - 2021	Year 2 - 2022	Year 3 - 2023	Year 4 - 2024	Year 5 - 2025	Total
CCC Service Area	40	40	Projections not available for region beyond 2022			
State	150	150	Projections not available for state beyond 2022			

Provide the methodology used to determine the projected job openings (such variables as (a) assurance of adequate employer surveys, (b) business/industry markets, and (c) response rate. Cite all relevant sources. If a survey of employment needs was used attach a copy of the survey instrument with a **summary** of results as

#### **APPENDIX C** - Survey instrument with a summary of results. [Pages 16-21](#)

Paper surveys with postage paid return envelopes were mailed to 72 dental offices in seven north Alabama counties. The survey asked dentists how many dental hygienist vacancies they anticipated in their practice over the next three years. Twenty-six surveys were returned (36% response rate); responding dentists predicted **30 dental hygienist openings in the next three years**.

A search for dental hygiene positions posted on-line was conducted February 27, 2017. Indeed.com, an American worldwide employment search engine for job listings, noted 4191 positions for full- and part-time dental hygienists in the U.S. with **31 openings in Alabama**.

4. List other similar programs that are available at other institutions in the state. Will any type of program collaboration be utilized? Why or why not? What specific efforts have been made to collaborate with institutions to meet the need for this program?
- The Board of Dental Examiners of Alabama administers a hygienist training program. Dental assistants with a minimum of 24 months of full-time experience are eligible for the Alabama Dental Hygiene Program (ADHP). Enrolled students are employees of a dentist certified as an ADHP instructor. Classroom instruction takes place one weekend a month for 9 months in Birmingham and clinical skills are developed through preceptorship with the supervising dentist. Alabama remains the only state recognizing preceptorship training for dental hygienists. ADHP graduates take a dental hygiene practical exam administered by the Council of Interstate Testing but are ineligible to sit for the National Board of Dental Hygiene Examination.
  - Fortis College, a for-profit school, has an associate degree dental hygiene program in Birmingham.



- Wallace State Community College (WSCC) in Hanceville is the only non-profit institution in Alabama offering an AAS degree in dental hygiene. The WSCC dental hygiene program is aware that CCC is developing a program. WSCC dental hygiene advisory board members have offered their support in program development at CCC. Though both programs are located in north Alabama, the schools are 50 miles apart. The distance makes sharing of faculty and facilities impractical. Moreover, 2016 survey data demonstrated that approximately 60% of CCC students are employed at least part-time and 50% provide care for dependents living in the same home. As the dental hygiene curriculum demands 15-19 contact hours of on-campus classroom, lab, and clinical learning each week, close proximity of the program is an accessibility factor for the many students juggling school, jobs, and family responsibilities.
5. Method of program delivery (traditional classroom, online, hybrid). If online/hybrid delivery is available, estimate percentage. List courses delivered via online/hybrid.

Traditional classroom.

## I. Program Resource Requirements

1. Number of faculty required to teach in the program: Full-time 2 Part-time 4

Faculty have not been identified for the dental hygiene program; there is no one currently on staff with the necessary qualifications. Once program approval has been granted, the office of Human Resources will create position descriptions and a search for a program director will begin.

The Commission on Dental Accreditation (CODA) stipulates faculty qualifications and faculty to student ratios in the classroom, laboratory, and clinical practice setting for dental hygiene programs. In preclinical, clinical and radiographic clinical and laboratory classes, there must not be less than one faculty for every five students.

- The **program administrator** must be a dental hygienist who is a graduate of an accredited program and possesses a master's or higher degree or a dentist who has a background in education and the professional experience necessary to understand and fulfill the program goals. The program administrator's background should include administrative experience, instructional experience, and professional experience in clinical practice as either a dental hygienist or working with a dental hygienist.
- **Full-time and part-time faculty** who provide didactic instruction must possess a baccalaureate or higher degree and have current knowledge of the specific subjects they are teaching, a documented background in educational theory and practice, and clinical practice experience. Faculty who are dental hygienists must be a graduate of a CODA accredited program.
- **Laboratory assistants** who supervise students' clinical procedures should have qualifications that comply with the state dental or dental hygiene practice act.
- Faculty must include **dentists**. Students learn preventive dental health care by providing services to patients in the on-campus dental clinic facility. The *Code of Alabama Dental Practice*

Act, Chapter 9, Article 1 states dental hygienists must work only under the direct supervision of a duly licensed dentist.

- A part-time receptionist / secretary will be required in the dental hygiene clinic.

2. List any special equipment that is necessary for this program, indicating what is currently available, what will be added, and the cost of additional equipment.

The on-campus dental hygiene clinic offering patient services must include the amenities of a modern dental practice. Requirements include a dental operatory for each assigned student with an adjustable patient chair, suction and compressed air, instrument cart, and task lighting. The operatory must be fully functional with treatment equipment in an area that accommodates a full range of operator movement and instructor supervision. Each workspace must be convenient to handwashing sinks, radiology view boxes and/or computer monitors, and supplies. The clinic must have a sterilizing area that includes adequate space for preparing, sterilizing and storing instruments and personal protective equipment/supplies that follow infection and hazard control protocols. The clinic must include dental radiography facilities sufficient for student practice and the development of clinical competence. There must be adjacent space with furnishings for patient reception and waiting and secure storage of patient records that ensures confidentiality.

The existing dental assisting program has four complete dental workstations and four radiography units with x-ray processing and viewing equipment. There is a current, well-equipped dental lab which will be shared by the dental assisting (DA) and dental hygiene (DH) programs for the study of dental materials and instrumentation.

Fifteen additional dental operatories and four additional radiology units will be needed to meet the needs of the projected program enrollment at an estimated capital expenditure equipment cost of \$250,000.

Disposable, single-use patient supplies are used in the clinic but the cost will be recovered through modest clinic fees collected from clients. Mandatory biomedical safety inspection of clinic equipment costs approximately \$500 per year.

In addition to books, dental hygiene students purchase some of their own laboratory learning supplies and a personal instrument kit. The approximate cost of \$3000 for these items is divided among terms.

3. Describe facilities for the program, indicating what is currently available and any necessary renovations or additional facilities that would be added. Provide a cost estimate for any renovation or additions.

The existing dental assisting facilities are located on the 3<sup>rd</sup> floor of the Health Sciences Building. There is no room for expansion in the building to accommodate a larger clinic. Both dental education programs (DA and DH) will be relocated to a nearby building with 5000 square feet of vacant space which will accommodate a total of nineteen dental operatories, four radiology units, a dental lab, and a clinic reception with adjacent patient parking. Renovation costs are estimated at \$800,000.

If clinical sites are required, provide signed agreements between the institution and the host facility. At a minimum, the total number of slots should equal the projected number of students cited above.

Students may attend optional enriching clinical experiences that exceed basic requirements. These can be provided on-campus or in extramural facilities and supervised by non-program personnel. The CCC Dental Assisting program holds current agreements for student learning with more than 100 north Alabama dental offices. If enriching clinical experiences are incorporated into the curriculum plan, there is an adequate number of opportunities available.

4. Provide the current status of the library collections supporting the proposed program.

The CCC Brewer Library, located on the Decatur campus, has a diversified collection of current dental, dental assisting, and related subjects, including anatomy and physiology, applied psychology, dental and oral anatomy, dental materials, diet and nutrition, emergencies, the history of dentistry, microbiology, operative dentistry, oral health education, pharmacology, preventive dentistry, radiology and radiation safety, sterilization, and infection control.

Titles are accessible to students in print, online format, and some as downloadable eBooks through the library web site. Online books (Oxford Reference Premium and Credo Reference) and eBooks (EBSCOhost) are accessible both on campus and remotely for off campus access by all students.

The magazines *RDH* and *The Dental Assistant: Journal of the American Dental Assistants Association* are available in print format at the Decatur campus library from 2010 to the present and are indexed and abstracted in *CINAHL Plus*. Other dental journals not in print format but that are accessible in full text electronically include *Journal of Dental Hygiene*, *Canadian Journal of Dental Hygiene*, *Journal of the California Dental Hygienists' Association*, *International Journal of Dental Hygiene*, and *Modern Hygienist*. Other available magazines that offer related content on nutrition, health, and preventive dental care include *Health, Family and Safety Health, Prevention*, *Psychology Today*, and *Young Children*.

Clinical facilities used by dental assisting students often donate publications and there is a small separate collection of books housed in dental laboratory for student reference.

## APPENDIX A

Dental Hygiene Program Requirements			
Semester	Course #	Course Name	Semester Hours
1	ORI 100	Freshman Seminar	1
	BIO 201	Human Anatomy & Physiology I	4
	DHY 110	Dental Hygiene Theory	2
	DHY 112	Pre-Clinical Dental Hygiene	3
	DHY 114	Dental Radiology	3
	DHY 116	Dental Anatomy, Histology & Embryology	2
	DHY 118	Anatomy, Embryology, & Histology of the Head & Neck	2
	1 <sup>st</sup> semester total = 17		
2	BIO 201	Human Anatomy & Physiology II	4
	ENG 101	English Composition I	3
	DHY 120	Dental Materials	2
	DHY 122	Clinical Dental Hygiene I	3
	DHY 124	Dental Hygiene Theory II	2
	DHY 126	Periodontology	2
	DHY 128	Pharmacology / Medical Emergencies	2
	2 <sup>nd</sup> semester total = 18		
3	BIO 220	General Microbiology	4
	PSY 200	General Psychology	3
	CHM 104	Introduction to Inorganic Chemistry	4
	DHY 130	Biological Chemistry & Applied Nutrition	1
	DHY 132	Clinical Dental Hygiene II	2
	DHY 134	Dental Hygiene Theory III	1
	DHY 216	Dental Research	1
	3 <sup>rd</sup> semester total = 16		
4	SOC 200	Introduction to Sociology	3
	MTH 100	Intermediate College Algebra	3
	DHY 210	General and Oral Pathology	2
	DHY 212	Clinical Dental Hygiene III	4
	DHY 214	Dental Hygiene Theory IV	1
	DHY 217	Community Dental Health	1
	4 <sup>th</sup> semester total = 14		
5	SPH 106/107	Fundamentals of Oral Communication or Fundamentals of Public Speaking	3
	HUM / FA	Humanities or Fine Arts Elective	3
	DHY 218	Clinical Dental Hygiene IV	4
	DHY 220	Dental Hygiene Theory V	1
5 <sup>th</sup> semester total = 11			
Total hours required for degree = 76			

APPENDIX B  
**Survey Instrument**



**Your Community. Your College. Your Future.**

## **2016 Potential Health Programs Interest Survey**

Calhoun Community College wants to gauge student interest in current and potential health care programs. Would you take a moment to complete this brief survey? We appreciate your time and help as we continue to ensure that the programs offered in Health Sciences meet the educational goals of our community.

Please check all the programs that you are interested in below:

- ☐ Nursing
- ☐ EMT/Paramedic
- ☐ Dental Assisting
- ☐ Dental Hygiene
- ☐ Physical Therapist Assistant
- ☐ Medical Laboratory Technician
- ☐ Surgical Technician
- ☐ Respiratory Therapy
- ☐ Occupational Therapy
- ☐ Other: \_\_\_\_\_

Are you interested in pursuing this program at Calhoun Community College?

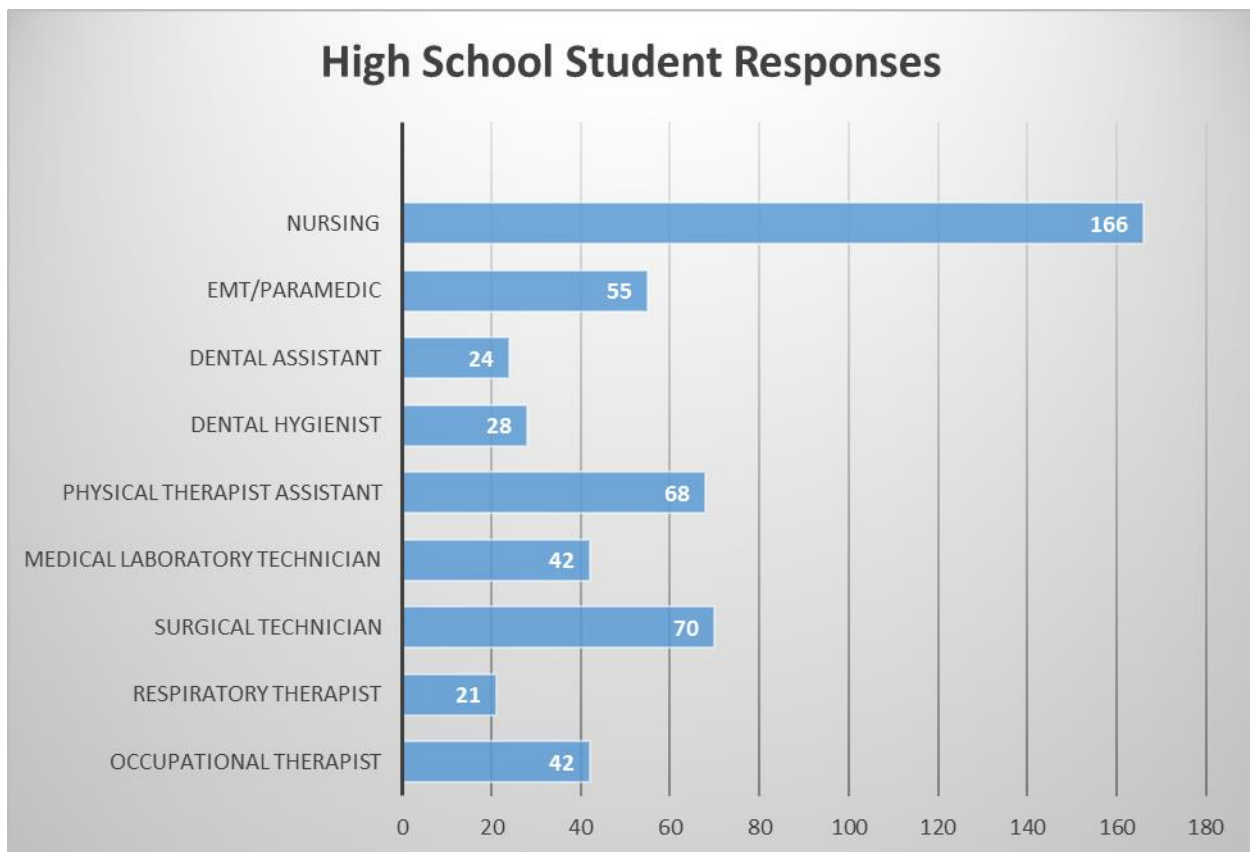
- ☐ Yes
- ☐ No

## APPENDIX B

### Survey Results

Paper surveys were distributed to HOSA students at four CCC service area schools:  
Decatur and Austin High Schools (Morgan County), Athens High School (Limestone County),  
and Hazel Green High School (Madison County).

Total participants = 266

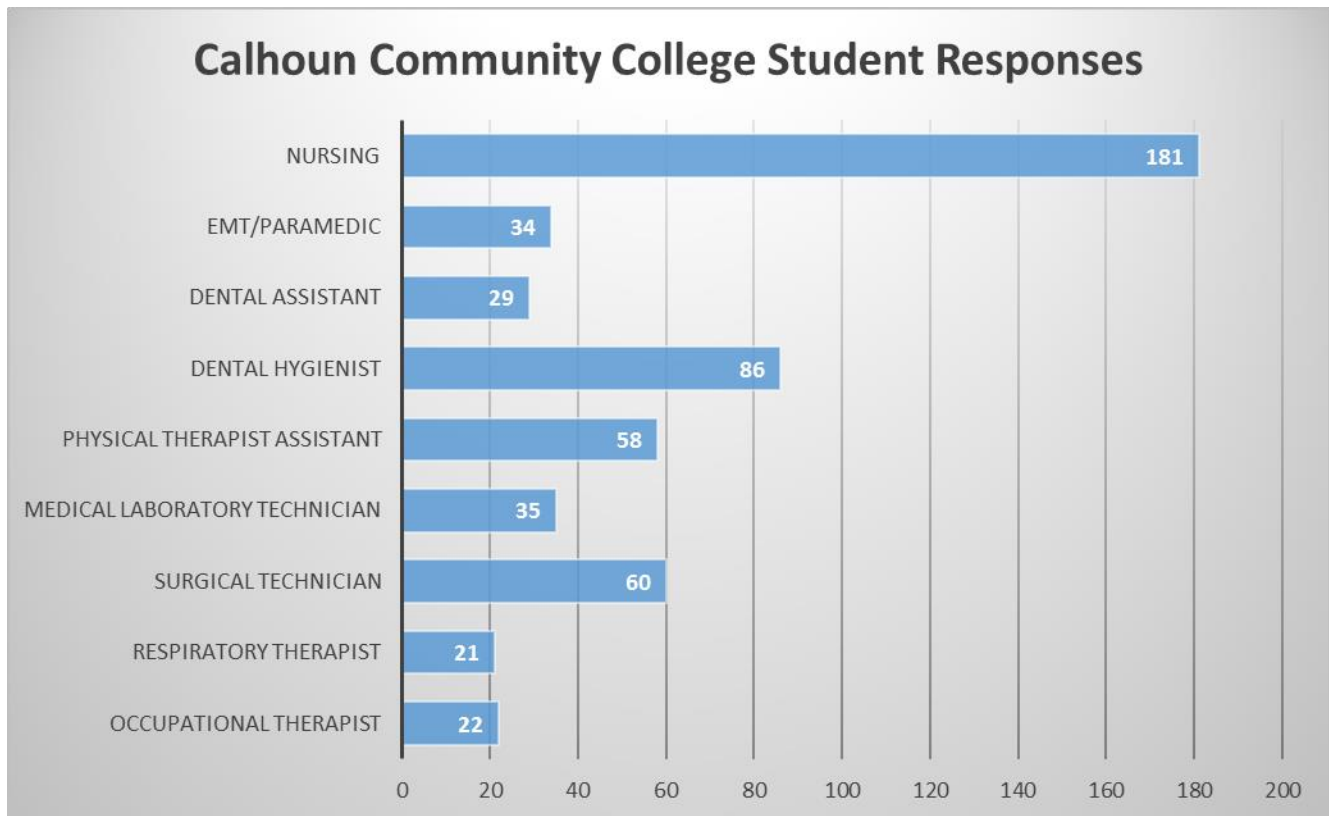


## APPENDIX B

### Survey Results

A survey was posted on-line for students enrolled in biology and chemistry courses at CCC FA semester 2016 and SP semester 2017.

Total respondents = 291



## APPENDIX C

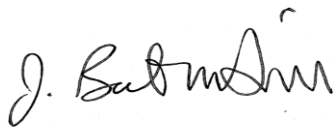
### Survey Instrument



### Health Sciences Division

Calhoun Community College is committed to providing affordable and quality education to promote workforce development. We are considering the need for a **dental hygiene program**. Your participation in this anonymous survey will aid in decision-making. Comments or questions about any of our programs are welcome at any time.

Thank you,

A handwritten signature in black ink, appearing to read "J. Bret McGill". The signature is fluid and cursive, with the first name "J." and last name "McGill" clearly distinguishable.

J. Bret McGill  
Dean, Health Sciences Division  
256-306-2861  
[bret.mcgill@calhoun.edu](mailto:bret.mcgill@calhoun.edu)  
P.O. Box 2216  
Decatur, AL 35609-2216





## Potential Dental Hygiene Program

**26/72 surveys returned = 36% response rate**  
**Summary**

1. How many dental hygienist position vacancies do you anticipate in your practice in the next three years? **30**
2. Do you have an educational preference for dental hygienists employed by your practice?
  - ☐ No = **7**
  - ☐ Yes If yes, please check all that may apply: **(19 respondents indicated a preference, most checked multiple options)**
    - ☐ Alabama Dental Hygiene Program (ADHP) = **15**
    - ☐ Associate degree from a CODA accredited Dental Hygiene program = **15**
    - ☐ Baccalaureate degree from a CODA accredited Dental Hygiene program = **6**
    - ☐ Other = **0**
3. Your input regarding the education and skills preparation of entry-level dental hygienists is appreciated.
  - “I think a pre-requisite to the Dental Hygiene program should be at least one year experience as a chairside dental assistant or have completed the Calhoun Dental Assisting program.”
  - “Recommend better instruction on types of restorations and cavity classifications.”
  - “Implant / crown & bridge needs to be incorporated into program (how to properly clean). Two-year clinical program would be best. Students need to be introduced to Cad/Cam and Cone beam technology. Lots of clinical experience.”
  - “Needs to exceed training of ADHP students.”
  - “Please stress selling treatment, using intra-oral camera, and patient education.”
  - “High school/GED plus one year basic college and 1 year dental assisting should have priority as well as CODA program.”
  - “Run similar to Wallace State program.”
  - “Knowledge of medical issues relating to dental treatment, a thorough understanding of all dental procedures and charting, very detailed oriented. Proper patient communication and in-depth understanding of HIPAA, proper provider to patient etiquette.”

- “By the time of graduation, it would be ideal if the hygienist had perfected the proper technique of instruments. The hygienist may not be fast but if they can remove all calculus, that is most important. In the past, we have had problems with young hygienists leaving residual calculus, which is not good for the patient or the practice. Also being able to talk with the patient about possible treatment needed - endo, implants, bridges, etc. - is very important. The better the hygienist is at discussing different treatments with patients, the easier it is on the doctor. X-ray proficiency is another must.”
- “I would hope that the person would have mastered the skills necessary to pass the board exam and move into the clinical setting ready to provide dental hygiene services. Maturity, motivated, ability to focus on the job, and people friendly skills are essential. The person will be expecting to be paid like a dental hygienist, so we need them to be able to hit the ground running.”
- “Hygienist should be well-educated in the area of periodontitis. Hygienist should be able to diagnose gingivitis and periodontitis in all stages. Hygienist should know how to treat gingivitis and periodontitis. If Calhoun establishes a program, they should use the ADHP as a reference point to improve on. Hygienist should graduate with a proficient and confident knowledge of more than pediatric prophies.”

## Potential Employer Survey Mailing List

DR T ACKLIN PREMIERE DENTAL  
5045 MEMORIAL PKWY, SUITE D  
HUNTSVILLE AL 35810

ALABAMA PEDIATRIC DENTAL ASSOC.  
ROBERT CHAMBERS, ADMINISTRATOR  
4001 BALMORAL DRIVE  
HUNTSVILLE AL 35801

DR KENNETH ALONGI DMD  
602 DAVIS CIRCLE SW  
HUNTSVILLE AL 35801

ANTHONY DENTAL  
DR JASON ALLEN ANTHONY  
466 HIGHWAY 67 SOUTH  
PRICEVILLE AL 35603

DR ERNEST BARNES DMD  
500 WHITESPORT DRIVE SUITE 2  
HUNTSVILLE AL 35801

DR R BRAD BEALSEY DMD  
200 E HOBBS STREET  
ATHENS AL 35611

DR BRIAN BEITEL DDS  
580 AIRPORT ROAD  
HUNTSVILLE AL 35802

DR PAUL BISHOP DMD  
431 JOHNSTON STREET  
DECATUR AL 35601

DR RICHARD BLEDSOE DDM  
1316 STRATFORD RD SE  
DECATUR AL 35601

DR WILLIAM BORDEN DMD  
627 LAWRENCE STREET  
MOULTON AL 35650

DR LANA BOWDOIN DMD PC  
540 HUGHES ROAD SUITE 4  
MADISON AL 35758

DR W TIMOTHY BROOKS DMD  
500 WHITESPORT DRIVE SUITE 3  
HUNTSVILLE AL 35801

DR RONALD E BROWN DDS  
2026 6<sup>TH</sup> AVENUE  
DECATUR AL 35601

DR SHANA BYERS DMD  
1636 PULASKI PIKE SUITE B  
HUNTSVILLE AL 35816

DR PHILLIP TREGONING DMD  
721 W MARKET STREET SUITE A  
ATHENS AL 35611

DR SAM CITRANO DMD  
411 HOLMES AVENUE NE SUITE A  
HUNTSVILLE AL 35801

DR LINDALEE CLAYTON DMD  
1392 JORDAN ROAD SUITE A  
HUNTSVILLE AL 35811

DR ADAIRA COLLINS DDS  
DENTAL ELEMENTS  
8141 HIGHWAY 72 WEST SUITE G  
MADISON AL 35758

DR ALAN W COLEMAN DMD  
110 COLLEGE STREET SUITE D  
ATHENS AL 35611

DR WILLIAM A DAVIS DMD  
107 HINES STREET SOUTH  
ATHENS AL 35611

DR JAMES H DUCKWORTH DDS  
500 WHITESPORT DRIVE SW SUITE 4  
HUNTSVILLE AL 35801

DR SCOTT FITTS DMD  
EAST LIMESTONE FAMILY DENTAL  
15059 EAST LIMESTONE ROAD  
HARVEST AL 35749

DR SONJA D GILL DDS  
204 LOWE AVENUE SE SUITE 1  
HUNTSVILLE AL 35801

DR CHARLES RAY GRAHAM DMD  
& DR LINDSAY D LIMBAUGH DMD  
600 AIRPORT ROAD SW  
HUNTSVILLE AL 35802

DR HENRY GRIGGS DMD  
102S MALONE STREET SUITE B  
ATHENS AL 35611

DR WILLIAM TODD HAMER DMD  
2315 STARMOUNT CIRCLE SW  
HUNTSVILLE AL 35801

DR WILLIAM L INGRAM DMD  
2227 DRAKE AVENUE SW SUITE 108  
HUNTSVILLE AL 35805

DR JAMES JOY DDS  
601 SPARKMAN STREET SW  
HARTSELLE AL 35640

DR JOE KIRKPATRICK DMD  
P O BOX 428  
10106 HWY 64  
LEXINGTON AL 35648

DR MICHAEL D KNIGHT DMD  
1108 GLENEAGLES DRIVE SW  
HUNTSVILLE AL 35801

DR ANNA M LEE DMD  
1403 WEATHERLY PLAZA SE SUITE 100  
HUNTSVILLE AL 35803

DR JAMES LEWIS DMD  
577 HUGHES ROAD  
MADISON AL 35758

DR WILLIAM F LITTLEJOHN DMD  
2023 DANVILLE PARK DR SW  
DECATUR AL 35603

DR WILLIAM A MCCLANAHAN DDS  
2461 HELTON DRIVE  
FLORENCE AL 35630

DR EMILY MCINTOSH DMD  
72 HUGHES ROAD SUITE A  
MADISON AL 35758

MONROVIA FAMILY PRACTICE  
1920 SLAUGHTER ROAD  
MADISON AL 35758

DR D LEE MORRIS DMD MD  
154 TITAN DRIVE  
FLORENCE AL 35630

DR ALICIA J NAILS DMD  
2426 DANVILLE ROAD SUITE R  
DECATUR AL 35603

DR JAMES W PARSON DMD  
1602 MOCKINGBIRD COURT  
FLORENCE AL 35630

DR ROBERT E PATE DMD  
7224 GOVERNORS DRIVE WEST  
HUNTSVILLE AL 35806

DR STEPHEN R PRICE DDS  
1320 STRATFORD ROAD SE  
DECATUR AL 35601

DR DEW D REYNOLDS DMD  
600 SAINT CLAIR AVENUE SW STE 19  
HUNTSVILLE AL 35801

DR JAMES A RYERSON DMD  
1013 AVALON AVENUE  
MUSCLE SHOALS AL 35661

DR LEW B SAMPLES  
2014 DANVILLE PARK DRIVE SW  
DECATUR AL 35603

DR RANDALL L SANDLIN DMD  
1318 STRATFORD ROAD SE  
DECATUR AL 35601

DR EUGENE H SCOTT DDS  
401 LOWELL DRIVE SUITE 17  
HUNTSVILLE AL 35801

COMPLETE DENTAL  
ATTN: KIMBERLY HITTLE  
8263 MAIDSON BLVD SUITE A  
MADISON AL 35758

DR DOUGLAS R SITTASON DMD  
602 MAIN STREET WEST  
HARTSELLE AL 35640

DR JONATHAN L SOUTH DMD  
2112 DANVILLE ROAD SW SUITE B  
DECATUR AL 35601

DR PENNY L TAYLOR DMD  
2514 DANVILLE ROAD SW  
DECATUR AL 35603

DR AMY THOMPSON DMD  
111 PARK PLACE DRIVE SUITE F  
HUNTSVILLE AL 35806

DR JAMES R THRONEBERRY DMD  
2506 DANVILLE ROAD SW SUITE 1-4  
DECATUR AL 35603

DR ANTHONY TONEY DMD  
2585 SPARKMAN DRIVE NW  
HUNTSVILLE AL 35810

DR EDWIN LEE TUCKER DMD  
210 SUTTON ROAD SE  
OWEN CROSS ROADS AL 35763

DR THOMAS T WILLIS DMD  
2691 SANDLIN ROAD SW  
DECATUR AL 35601

DR ANGELA L BROWN DDS  
4815 SPARKMAN DRIVE NW  
HUNTSVILLE AL 35810

DR BURTON MOFFETT DMD  
7559 C HIGHWAY 72W  
MADISON AL 35758

WHATELY ENDODONTICS  
7559 HIGHWAY 72W SUITE 102  
MADISON AL 35758

DR BRUCE EVANS  
1947 FLORENCE BLVD  
FLORENCE, AL 35630

DR J MORRIS  
310 COX CREEK PARKWAY  
FLORENCE, AL 35630

DR BEAUMONT SHELTON  
313 W COLLEGE ST  
FLORENCE, AL 35630

DR ROBERT GRIFFIN  
1901 BRUIN DRIVE  
FLORENCE, AL 35630

DR ROBERT EMBRY  
642 COX CREEK PARKWAY  
FLORENCE, AL 35630

DR BRETT BIGELOW  
1202 SOUTH BROAD STREET  
SCOTTSBORO, AL 35768

DR WAYNE PATTERSON  
921 S BROAD ST  
SCOTTSBORO, AL 35768

DR ALEX HOLLAND  
416 PARKS AVENUE  
SCOTTSBORO, AL 35768

DR JOHN NORDEN  
105 ADAMS STREET  
STEVENSON, AL 35772

DR TOMMY MCGEE  
1005 SOUTH BROAD STREET  
SCOTTSBORO, AL 35768

DR RANDY SIMPSON  
819 GUNTER AVE  
GUNTERSVILLE, AL 35976

DR AARON GEORGE  
1724 GUNTER AVE, STE. A  
GUNTERSVILLE, AL 35976

DR DAVID LAW DDS  
320 N MAIN STREET  
ARAB, AL 35016

DR JOHN YORK II  
55 GOLFVIEW DRIVE NE  
ARAB, AL 35016

## Calhoun Community College Dental Hygiene Program

We have reviewed the employment demand for **dental hygienists** at selected businesses in **Calhoun Community College's** service area and in Alabama. We are confident that the employment needs for **dental hygiene** personnel who possess the skills acquired in such a program of instruction could best be classified as:

☐ High Demand    ☒ Moderate Demand    ☐ Low Demand    ☐ Critical Shortage

In addition, we have examined and recommended requirements for admissions, content of the specialties and appropriate general education, program length, method of evaluation, and the skills and/or proficiency required for completion.

EMPLOYERS: (In dentistry and in directly-related fields) *Minimum of 18 employers*

**Employer A**    mod. Demand  
Name: Lisa Coleman  
Title: Office Manager  
Company Name: Valley Smiles  
Address: \_\_\_\_\_  
Zip Code: \_\_\_\_\_  
Signature: [Signature]

**Employer B**    moderate Demand  
Name: Dr. William Davis  
Title: Dentist  
Company Name: Davis & Reese  
Address: 107 S. Hine St.  
Zip Code: 35611  
Signature: [Signature]

**Employer C**    mod. Demand  
Name: Dr. Sam Heathridge  
Title: Dentist  
Company Name: Valley Smiles  
Address: \_\_\_\_\_  
Zip Code: \_\_\_\_\_  
Signature: [Signature]

**Employer D**    Moderate Demand  
Name: Dr. Clay Reese  
Title: Dentist  
Company Name: \_\_\_\_\_  
Address: 107 South Hine  
Zip Code: 35611 Athens  
Signature: [Signature]

**Employer E**    Moderate Demand  
Name: Dr. Brian Batel  
Title: Dentist  
Company Name: BABrite DDS, MS Pediatric Dentist  
Address: Airport Rd.  
Zip Code: Huntsville  
Signature: [Signature]

**Employer F**    Moderate Demand  
Name: Dr. Josh Hood  
Title: Dentist  
Company Name: Dental Associates of Athens  
Address: Hine St  
Zip Code: Athens AL 35611  
Signature: [Signature]



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**Employer A**    MOD Demand  
Name: THOMAS T. WILLIS  
Title: DENTIST  
Company Name: Willis Dental Services  
Address: 2401 Hickoryway Pl SE  
Zip Code: Decatur, AL 35603  
Signature: [Signature]

**Employer C**    Mod/High Demand  
Name: Jessica Payne  
Title: Executive Director  
Company Name: Community Free Clinic of Decatur-Morgan Co.  
Address: 245 Jackson St. SE, Decatur, AL  
Zip Code: 35601  
Signature: [Signature]

**Employer E**    Mod Demand  
Name: Dr. Alicia Nails  
Title: Dentist  
Company Name: [Blank]  
Address: 2426 R-Danville  
Zip Code: Decatur 35603  
Signature: [Signature]

**Employer B**    MOD/HIGH Demand  
Name: JAMES M LEWIS  
Title: DENTIST  
Company Name: SELF  
Address: 577 Hughes Rd  
Zip Code: Decatur, AL 35758  
Signature: [Signature]

**Employer D**    MOD/HIGH Demand  
Name: ALAN W. COLEMAN  
Title: DENTIST  
Company Name: VALLEY SMILES DENTAL CARE  
Address: 110 COLLEGE ST.  
Zip Code: ATHENS, AL 35613  
Signature: [Signature]

**Employer F**    [Blank] Demand  
Name: Dr. James Jey  
Title: Dentist  
Company Name: 1001 Sparkman  
Address: Hartselle AL  
Zip Code: 35640  
Signature: [Signature]

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<p><b>Employer A</b>     <u>Mod</u> Demand</p> <p>Name: <u>Jeremiah Harris</u></p> <p>Title: <u>Doctor/owner</u></p> <p>Company Name: <u>Dental Associates of Athens</u></p> <p>Address: <u>105 Hine St Athens, AL 35611</u></p> <p>Zip Code: <u>35611</u></p> <p>Signature: <u>[Signature]</u></p>	<p><b>Employer B</b>     <u>Mod-High</u> Demand</p> <p>Name: <u>DR Philip Tregoning</u></p> <p>Title: <u>Doctor/Owner</u></p> <p>Company Name: <u>Athens Dental Services</u></p> <p>Address: <u>721 W. Market St, Ste A</u></p> <p>Zip Code: <u>35611 Athens, AL</u></p> <p>Signature: <u>Sandra Castan</u></p>
<p><b>Employer C</b>     <u>Mod</u> Demand</p> <p>Name: <u>Dr. Brad Beasley</u></p> <p>Title: <u>Doctor/owner.</u></p> <p>Company Name: <u>Beasley Implants General Dentistry</u></p> <p>Address: <u>200 E. Hobbs St.</u></p> <p>Zip Code: <u>35611</u></p> <p>Signature: <u>[Signature]</u></p>	<p><b>Employer D</b>     <u>Mod</u> Demand</p> <p>Name: <u>Dr Emily McIntosh</u></p> <p>Title: <u>Dentist</u></p> <p>Company Name: <u>Madison Family Dentistry</u></p> <p>Address: <u>72 Hughes Rd.</u></p> <p>Zip Code: <u>37042</u></p> <p>Signature: <u>Emily McIntosh</u></p>
<p><b>Employer E</b>     <u>Mod</u> Demand</p> <p>Name: <u>Adam Cole</u></p> <p>Title: <u>Doctor/Owner</u></p> <p>Company Name: <u>Cole Family Dental</u></p> <p>Address: <u>22041 Hwy 72 E., Suite C</u></p> <p>Zip Code: <u>35613</u></p> <p>Signature: <u>[Signature]</u></p>	<p><b>Employer F</b>     <u>Mod</u> Demand</p> <p>Name: <u>Matthew R. Vaughan</u></p> <p>Title: <u>Doctor/Associate</u></p> <p>Company Name: <u>Cole Family Dental</u></p> <p>Address: <u>22041 Hwy 72 E., Suite C</u></p> <p>Zip Code: <u>35613</u></p> <p>Signature: <u>Matthew R. Vaughan</u></p>



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<b>Employer A</b> <u>High/moderate</u> Demand	<b>Employer B</b> _____ Demand
Name: <u>William L. Ingram, DMD</u>	Name: _____
Title: <u>Dentist/owner</u>	Title: _____
Company Name: <u>William L. Ingram, DMD</u>	Company Name: _____
Address: <u>2227 Davis Ave. NW, Huntsville, AL</u>	Address: _____
Zip Code: <u>35805</u>	Zip Code: _____
Signature: <u>[Signature]</u>	Signature: _____
<b>Employer C</b> _____ Demand	<b>Employer D</b> _____ Demand
Name: _____	Name: _____
Title: _____	Title: _____
Company Name: _____	Company Name: _____
Address: _____	Address: _____
Zip Code: _____	Zip Code: _____
Signature: _____	Signature: _____
<b>Employer E</b> _____ Demand	<b>Employer F</b> _____ Demand
Name: _____	Name: _____
Title: _____	Title: _____
Company Name: _____	Company Name: _____
Address: _____	Address: _____
Zip Code: _____	Zip Code: _____
Signature: _____	Signature: _____